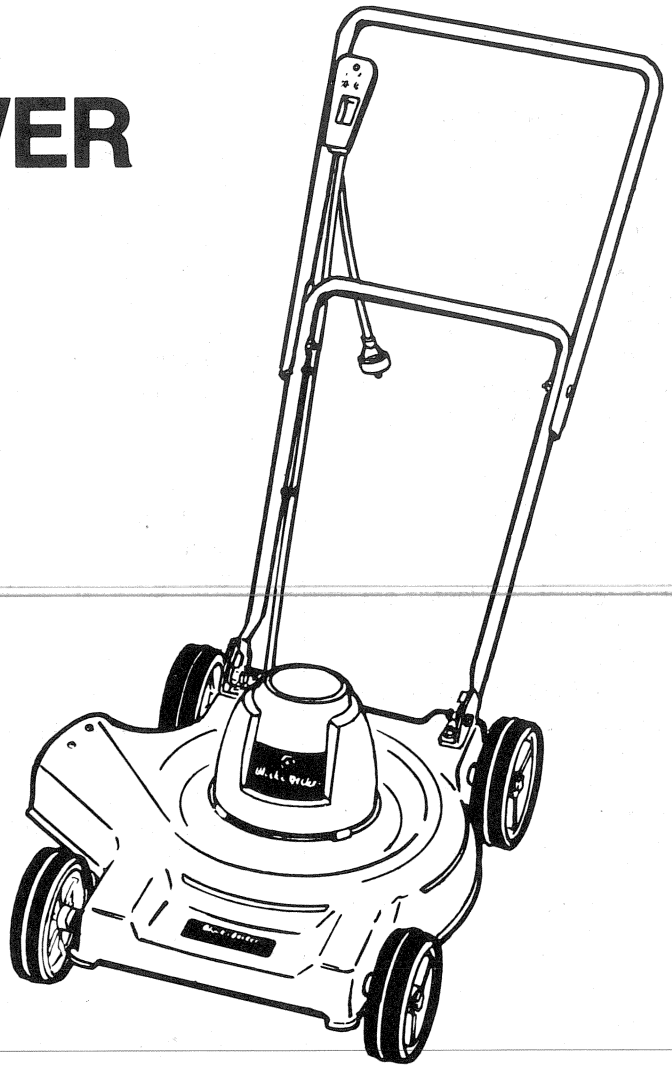
BLACK&DECKER™

LAWN MOWER

Owner's Manual



Electric 18" Single Blade Lawn Mower

Model 8000

"Meets CPSC blade requirements for walk-behind power mowers"

Purpose of Product

Thank you for buying a Black & Decker Electric 18" Single Blade Lawn Mower. You will find it free of starting or stopping problems. Cutting height is easily adjusted from 1" to 2½". The Electric 18" Single Blade Lawn Mower has been designed to provide many years of efficient service. Large 6" diameter wheels, which are recessed, permit pushing ease and close cutting to walls, fences and trees.

This Product is Listed by UNDERWRITERS' LABORATORIES, INC and Bears the Mark (UL)

Purpose of Manual

Read contents of this manual carefully. Become thoroughly familiar with the controls and proper use of the mower. It is important to read the Safety Instructions found on pages 2 and 3.

Important

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement) should be performed by BLACK & DECKER Service Centers or other qualified service organizations, always using Black & Decker replacement parts. When servicing use ONLY IDENTICAL REPLACEMENT PARTS.

Home Use Warranty

(A Full One Year Warranty)

Black & Decker warrants this product for one year. We will repair, without charge, any defects due to faulty material or workmanship or at our option replace the product free. Please return the complete unit, transportation prepaid, to any Black & Decker Service Center or Authorized Service Station listed under "Tools Electric" in the yellow pages. This warranty does not apply to accessories. This warranty gives you specific legal rights and you may have other rights which vary from state to state. Should you have any questions, contact your nearest Black & Decker Service Center manager.

PROOF OF PURCHASE
MODEL 8000

BLACK&DECKER™

Important Safety Instructions

WARNING

1. **KNOW YOUR MOWER** — Read the Owner's Manual carefully. Be thoroughly familiar with the controls and the proper use of your mower.
2. **AVOID DANGEROUS ENVIRONMENT** — Don't use your mower in the rain or in damp or wet locations. Don't operate it in gaseous or explosive atmospheres. Motors normally spark and the sparks might ignite fumes.
3. **USE PROTECTIVE EQUIPMENT** — Wear safety spectacles or goggles while mowing (regular eyeglasses are not safety glasses). Use face or dust mask if operation is dusty.
4. **KEEP GUARDS AND SHIELDS IN PLACE** — and keep in working order.
5. **GUARD AGAINST ELECTRIC SHOCK** — Repair or replace damaged mower cord or extension cords immediately. To prevent disconnection of mower cord from the extension cord during operation, knot the cords exactly as shown in Figure 8A or use a cord connector shown in Figure 8B.
6. **DANGER: KEEP AWAY FROM BLADE AREA** — Risk of cut — Keep hands and feet away from blade. Don't attempt to remove cut material or unclog chute when blade is moving.
7. **DISCONNECT TOOL** — Release switch lever to turn off mower and unplug cord from receptacle or extension cord when tool is not in use, before making adjustments, before servicing, cleaning and when changing blade accessories.

CAUTION

1. **KEEP CHILDREN AWAY** — All visitors should be kept a safe distance from work area.
2. **STORE IDLE LAWN MOWER INDOORS** — When not in use, tool should be stored indoors in a dry, high or locked-up place —out of reach of children.
3. **DON'T FORCE THE MOWER** — It will do the job better and safer at the rate for which it was designed.
4. **USE RIGHT TOOL** — Do not use tool for any job except that for which it is intended.
5. **DRESS PROPERLY** — Do not wear loose clothing or jewelry. They can be caught in moving parts. Use of rubber gloves and substantial rubber soled footwear is recommended when working outdoors.
6. **DON'T ABUSE CORD** — Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
7. **WARNING** — To reduce the risk of electric shock hazard use only with an extension cord suitable for outdoor use. Always connect extension cords to a fused line or one protected by a circuit breaker.
8. **DON'T OVERREACH** — Keep proper footing and balance at all times.
9. **MAINTAIN TOOLS WITH CARE** — Keep blade sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
10. **AVOID ACCIDENTAL STARTING** — Don't carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.
11. **OBJECTS STRUCK BY THE LAWN MOWER BLADE** can cause severe injuries to persons. The lawn should always be carefully examined and cleared of all objects prior to each mowing.
12. **IF MOWER STRIKES A FOREIGN OBJECT** follow these steps: (a) Release switch lever to turn off mower, (b) Unplug power cord, (c) Inspect for damage, (d) Repair any damage before restarting and operating the mower.
13. **USE IDENTICAL REPLACEMENT BLADES ONLY.**
14. **WHEN SERVICING** — Use only identical replacement parts.

Safety Spectacles are available at your Black & Decker dealer.

Additional Safety Instructions

Preparation:

1. Read the operating and service instruction manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment.
2. Never allow children to operate a power mower.
3. Keep the area of operation clear of all persons, particularly small children, and pets.

Precautions:

1. Thoroughly inspect the area where the equipment is to be used and remove all stones, sticks, wires, bones, and other foreign objects that could be thrown by the blade.
2. Do not operate the equipment when barefoot or wearing open sandals. Always wear substantial footwear.
3. Never attempt to make a wheel height adjustment while the motor is running or while the mower is plugged in.
4. Mow only in daylight or in good artificial light.
5. Never operate the equipment in wet grass. Always be sure of your footing; keep a firm hold on the handle and walk; never run.

Operation:

1. Do not put hands or feet near or under rotation parts. Keep clear of the discharge opening at all times.
2. Release switch lever to turn mower off when crossing gravel drives, walks, or roads.
3. If the mower stalls, be sure to release switch lever to turn mower off, and unplug the cord before attempting to unclog the chute or remove anything from under the deck.
4. After striking a foreign object, release switch lever to turn mower off and unplug the mower, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

5. If the equipment should start to vibrate abnormally release switch lever and unplug the mower and check immediately for the cause. Vibration is generally a warning of trouble.
6. Release switch lever to turn mower off and unplug the mower whenever you leave the equipment, before unclogging the deck or chute, or cleaning the mower housing, and when making any repairs or inspections.
7. When cleaning, repairing, or inspecting, make certain the blade and all moving parts have stopped.
8. Shut the motor off and wait until the blade comes to a complete stop before removing the grass catcher or unclogging chute.
9. Mow across the face of slopes; never up and down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes.
10. Never operate the mower without proper guards, plates, or other safety protective devices in place.

Maintenance:

1. Be sure the switch lever is released and the cord unplugged before doing any maintenance.
2. Check the blade at frequent intervals for proper tightness.
3. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
4. Check the grass catcher bag frequently for wear or deterioration. Replace with new bags for safety protection.

Double Insulation

Your Mower is DOUBLE-INSULATED to give you added safety. This means that it is constructed throughout with TWO separate "layers" of electrical insulation or one DOUBLE thickness of insulation between you and the tool's electrical system.

Tools built with this insulation system are not intended to be grounded. As a result, your mower is equipped with a two-prong plug which permits you to use extension cords without concern

NOTE: DOUBLE-INSULATION does not take the place of normal safety precautions when operating this mower. The insulation system is for added protection against injury resulting from a possible electrical insulation failure within the tool.

CAUTION: When servicing Double Insulated Tools. USE ONLY IDENTICAL REPLACEMENT PARTS. Repair or replace damaged cords.

Extension Cords

For your safety, use only U.L. listed Outdoor Extension Cords. These are available at your Black & Decker Dealer.

We recommend No. 16 AWG wire size for length up to 100 feet, and No. 14 AWG or larger wire size for longer lengths.

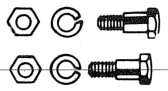
Always inspect your extension cord for loose or exposed wires and damaged insulation. DO NOT use a damaged cord with your mower.

Mower Assembly

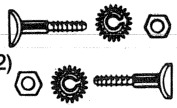
FIGURE 1

1. Open carton and remove cardboard fillers and plastic hardware bag(s) (contents shown in Figure 1).

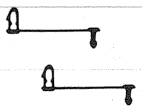
A. 70275 Shoulder Bolt (2)
393 Lockwasher (2)
99370-04 Hex Nut (2)



B. 68923 Curved Head Bolt (2)
38297 Starwasher (2)
38738 Hex Nut (2)



C. 72926 Plastic Cord Strap (2)



D. Axle bolts (4), washers (4), and nuts (4) for fastening wheels to mower deck.

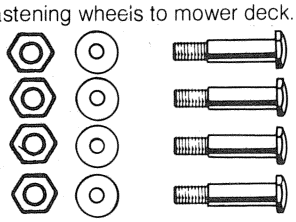
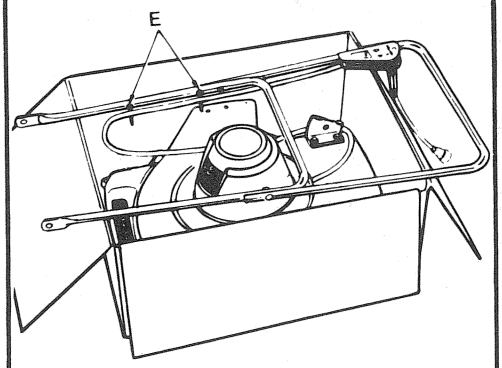


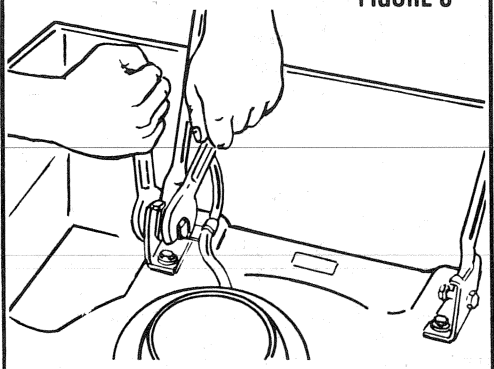
FIGURE 2



2. Without removing mower from carton, insert larger, hollow end pegs on plastic straps (item "C", Figure 1) into holes in lower handle section at location "E", Figure 2. (These straps will be used later in step 4 to hold the cord close to handle.)

   Fasten upper and lower handle sections together (Figure 2) with curved head bolts, hex nuts and lockwashers (Item "B", Figure 1). Handle must be assembled so that plastic straps "E" (Figure 2) are on the same side as the grass discharge opening.

FIGURE 3



3. Attach handle to mower deck with 2 shoulder bolts, lockwashers and nuts (Item "A", Figure 1). Squeeze handle legs together slightly to fit them into mounting brackets. Lockwashers go on outside under nuts. Tighten with two wrenches as shown in Figure 3.

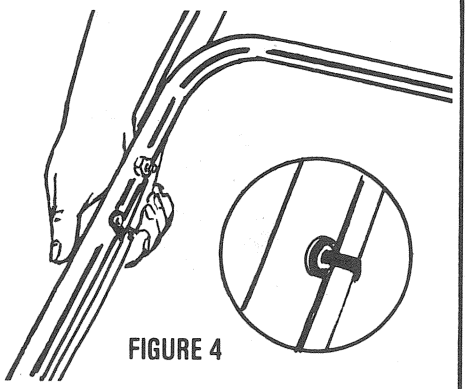


FIGURE 4

4. Plastic straps hold cord close to handle (Figure 4). Bend each strap around cord and push peg at outer end of strap into hole in inside end of strap where it is fastened to handle.

Wheel Assembly

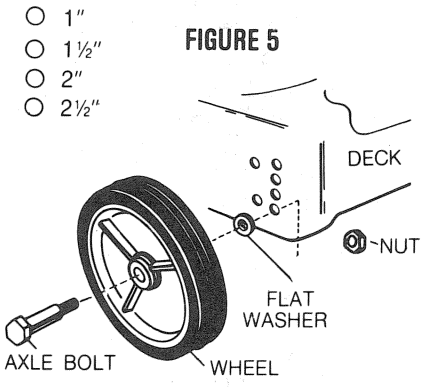


FIGURE 5

1. Select the cutting height you will want to use on your lawn and note which mounting hole (Figure 5) will give you this height.
2. Insert an axle bolt through wheel, flat washer, and the hole in the deck providing the desired cutting height.
3. **Place the nut on axle bolt and tighten bolt with wrench.**
4. Repeat for the other 3 wheels.

Switch

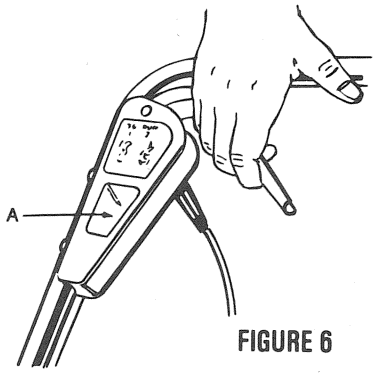


FIGURE 6

Your mower is equipped with a special switch. To operate the switch, insert your finger into the opening (A) in Figure 6 and push the lever out so that you can grab it with your right hand. Pull the lever back to turn the unit on and hold it against the mower handle to keep it running. To turn the mower off, just release the lever. The spring loaded "SNAP ACTION" lever will quickly activate the stopping mechanism.

CAUTION: NEVER ATTEMPT TO OVERRIDE THE OPERATION OF THIS SWITCH.

Safety Shield

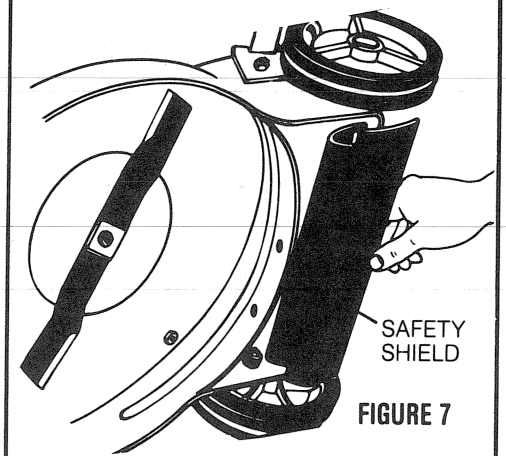


FIGURE 7

This plastic shield (Figure 7) is designed to minimize the throwing of stones or other objects by the mower blade backward under the mower deck. The shield also minimizes the possibility of accidental foot contact with the blade. DO NOT operate mower without this safety shield in place.

Attaching Extension Cord To Mower Cord

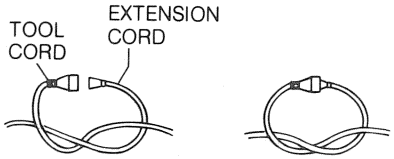


FIGURE 8A

No. 80-305

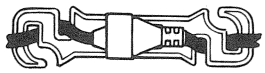


FIGURE 8B

DO NOT connect the extension cord to power source until you have finished reading this manual and are ready to start mowing. To prevent disconnection of mower cord from extension cord when mowing, (1) make a knot as shown in Figure 8A, or (2) use the accessory Cord Connector shown in Figure 8B (available at small extra cost from your dealer).

MOWING PROCEDURE

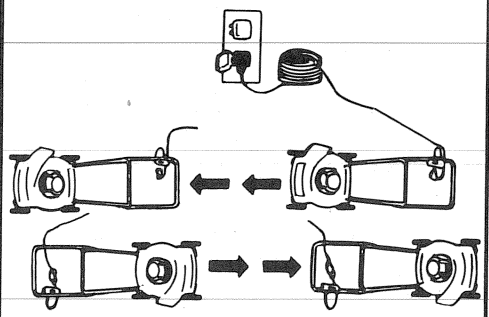
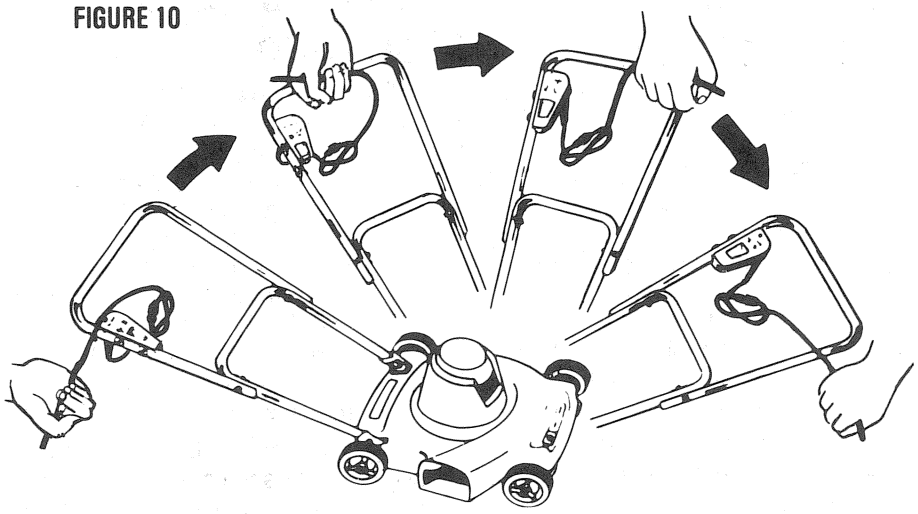


FIGURE 9

1. Inspect area where mower is to be used and remove all stones, sticks, wire, bones, and other debris which might be thrown by the rotating blade.
2. Place most of the extension cord close to the electrical outlet, out of the path of mower (Figure 9). CAUTION: Do not plug extension cord into receptacle outlet while standing in water or when hands are wet.

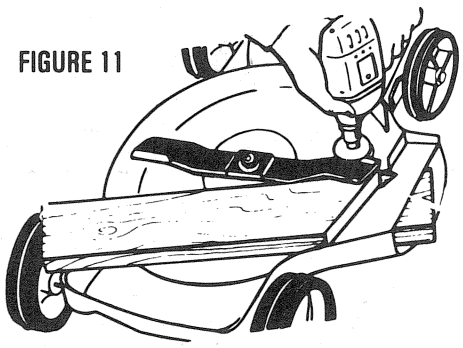
FIGURE 10



3. Begin mowing in the area closest to the outlet and mow in a back and forth manner (Figure 9). When you reach the edge of the lawn, **pivot the mower on the rear wheels toward the cord.** At the same time, grasp the cord and flip the cord over the mower so that cord again lies on cut portion of lawn (Figure 10). This action at the end of each cut will keep the extension cord away from the path of the mower.
4. Mow across the face of slopes, never up-and-down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes. Always maintain good footing.
5. Release switch to turn mower "OFF" when crossing any graveled area (stones can be thrown by the blade.)
6. Set mower at highest cutting height when mowing in rough ground or in tall weeds.
7. From time to time turn off the mower — UNPLUG CORD —turn mower on its side. Wipe out any accumulation of grass in the blade area. Be careful of the sharp edges of the blade. If a grass catcher is used during the fast growing season, the grass may tend to clog up at the discharge opening. Turn the switch "OFF" and disconnect the power cord plug. Remove the catcher and shake the grass down to the back end of the bag. Also clean out any grass or debris which may be packed around the discharging opening. Replace the grass catcher.
8. If moist grass causes frequent clogging, it will help to clear the clippings from under the deck if you increase the cutting height at the front (only) of the mower. The rear wheel setting will maintain the grass height you want.
9. If mower should start to vibrate abnormally, turn mower "OFF" and unplug power cord. Check immediately for cause. Vibration is a warning of trouble. Do not operate mower until a service check has been made.
10. ALWAYS TURN THE SWITCH OFF AND UNPLUG THE MOWER WHEN LEAVING IT UNATTENDED EVEN FOR A SHORT PERIOD OF TIME.
11. When you are finished mowing, turn mower "OFF", and unplug the extension cord at the electrical outlet before coiling it for storage.

Blade Sharpening

FIGURE 11



Keep blades sharp for best mower performance. Sharpening procedure is as follows:

1. RELEASE SWITCH LEVER TO TURN MOWER OFF AND UNPLUG MOWER!
2. The blade can be sharpened in several different ways. Try to maintain the original cutting angle, and sharpen each cutting edge an equal amount. Bent or damaged blades should be replaced with No. 80-336 Replacement Blade.

BY HAND — Blade need not be removed. Being careful not to cut yourself, sharpen both edges of the blade with a sharpening stone or fine tooth file.

B&D No. 80-306 BLADE SHARPENER

Wear proper eye protection! To keep blade from turning, place a 2 x 4 (about 2 foot long) through the chute and against the side of the wheel as shown in the figure above. Mount the sharpener in a ¼" or ⅜" electric drill. Start the drill, hold it with both hands, and move the groove in the sharpener lightly back and forth along the cutting edge. When one end of the blade is sharpened, remove 2 x 4, turn blade 180°, replace 2 x 4, and again sharpen as in Figure 11.

OTHER SHARPENING METHODS

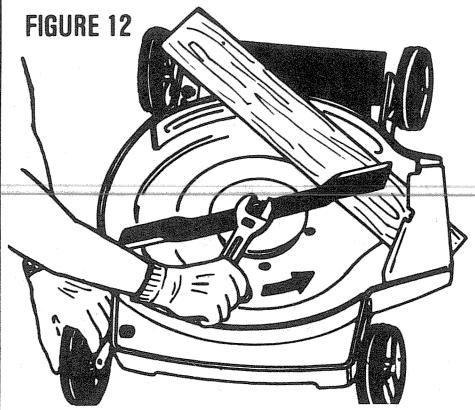
Wear proper eye protection! With the blade removed from the mower, it can also be sharpened on a bench grinder, or, when held in a vise, with above Blade Sharpener or a power disc sander.

Removing and Attaching Blades

1. RELEASE SWITCH LEVER TO TURN MOWER OFF AND UNPLUG MOWER!
2. Cut a piece of 2 x 4 wood (about 2 foot long) to keep blade from turning while removing blade nut.
3. Wear gloves. Position wood and remove nut as shown in Figure 12. (If square blade spacer starts to turn with nut, use a second wrench to hold spacer and keep shaft from turning.)
4. Remove lower blade spacer, lower insulator washer and blade (Figure 13).

5. When replacing sharpened or new blade on shoulder of upper blade insulator, make sure cutting edges or the blades are closest to ground. Place lower insulator washer over shoulder of the upper blade insulator, sandwiching blade in between. Now place blade spacer and the blade nut on the shaft. Position wood to keep shaft from turning (Figure 14) and then securely tighten blade nut. (If square blade spacer starts to turn with nut, use a turning second wrench to hold spacer and keep shaft from turning).

FIGURE 12



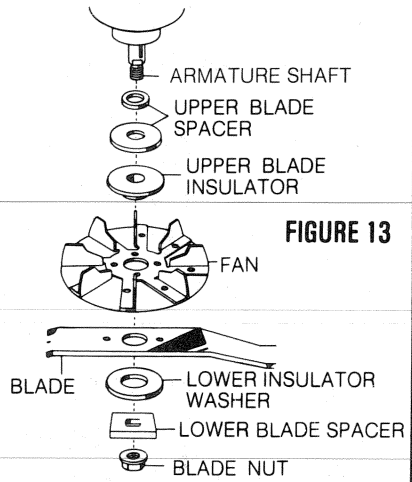
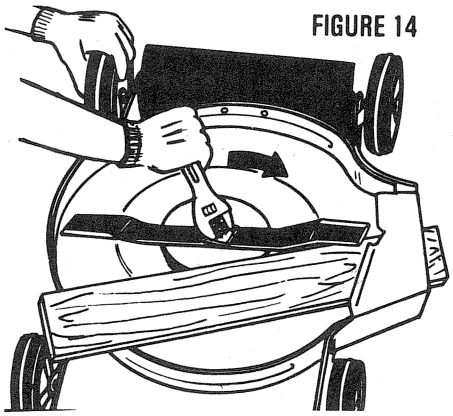


FIGURE 13

FIGURE 14



Lubrication

At the end of each season, lubricate the upper motor bearing as follows:

1. RELEASE SWITCH LEVER TO TURN MOWER OFF AND UNPLUG MOWER!
2. Remove the motor cover as follows: (a) Loosen the mounting screw at rear of the motor (Figure 15). (b) Carefully push in on the forward cover locating tab (Figure 16). (c) Tilt cover forward (toward tabs) and remaining tab will come free as cover is lifted off.
3. Place five (5) drops of motor oil in the felt reservoir at the top of the motor (Figure 17).
4. Replace the motor cover on deck as follows: (a) Place the cover locating tab (opposite the one you pushed in to remove cover) in its slot in the deck. (b) Carefully snap the other forward locating tab (Figure 15) in the deck. (c) Position the electric motor cord between the locating fingers on the rear of the motor cover. Do not pinch the cord. (d) Retighten the mounting screw.

   No other lubrication is necessary. Do not oil the wheels. They have plastic bearings which require no lubrication.

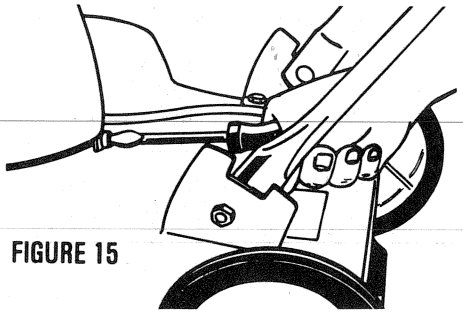


FIGURE 15

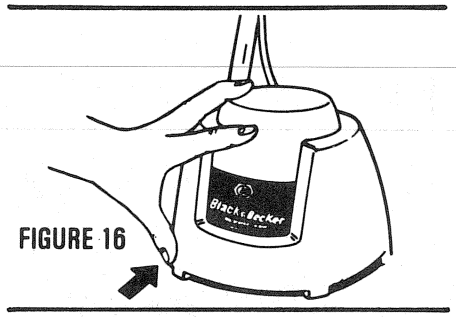


FIGURE 16

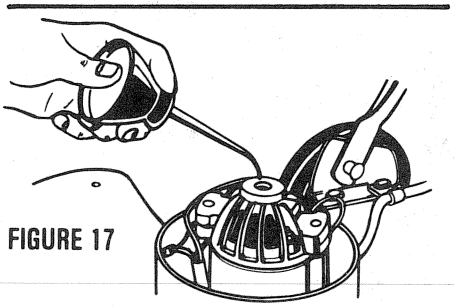


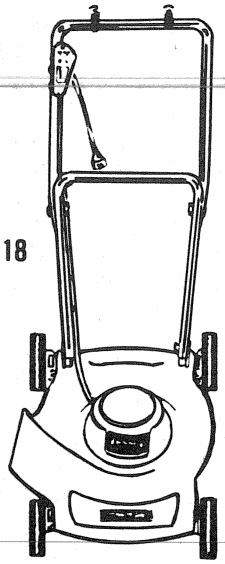
FIGURE 17

Cleaning and Storage

TURN OFF AND UNPLUG MOWER! Use only mild soap and a damp cloth to clean the mower. Many household cleaners contain chemicals which could seriously damage the plastic. Also, do not use gasoline, turpentine, lacquer or paint thinner, dry cleaning fluids or similar products. Clean out any clippings which may have accumulated on the underside of the deck. After several uses, check all exposed fasteners for tightness.

Your mower should be stored in a dry place, and to save space it can be hung on a wall (Figure 18) as follows:

FIGURE 18



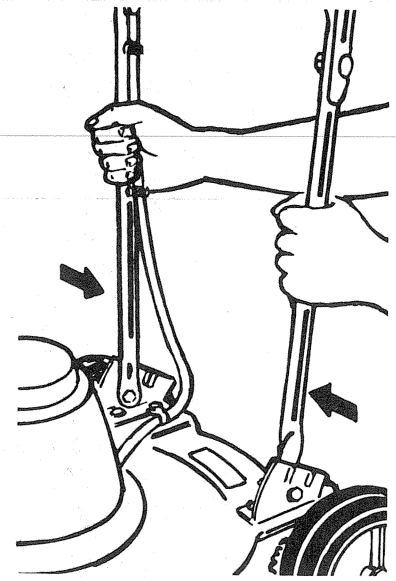


FIGURE 19

1. Squeeze the lower handle legs so that they clear the mounting brackets on the mower deck (Figure 19).
2. Lower the handle to a horizontal position, **away from grass discharge opening.**
3. Mount brackets on the wall, spaced to fit under both sides of the handle grip. Keep mower deck and handle parallel and hang on brackets (Figure 18).

PREVENTING CORROSION

Fertilizers and other garden chemicals contain agents which greatly accelerate the corrosion of metals. If you mow in areas where fertilizers or chemicals have been used, the mower should be cleaned immediately afterward as follows: (1) Be sure the tool is turned off and unplugged. (2) Wipe all exposed parts with a damp cloth.

CAUTION: DO NOT POUR OR SPRAY WATER ON THE MOWER IN AN ATTEMPT TO CLEAN IT.

Do not store the tool on or adjacent to fertilizers or chemicals. Such storage can cause rapid corrosion.

Accessories

88-050
50 ft., 16 ga., 3 wire
OUTDOOR EXTENSION CORD

88-100
100 ft., 16 ga., 3 wire
OUTDOOR EXTENSION CORD

80-338
GRASS CATCHER ASSEMBLY

80-138
Replacement
GRASS BAG

80-334
Replacement BLADE

80-306
BLADE SHARPENER

72-000
PROTECTIVE SPECTACLES

CAUTION: The above accessories are recommended for use with your mower. The use of any other accessory or attachment might be hazardous.

The accessories listed in this manual are available at extra cost from your local dealer, Black & Decker Service Center, or by writing to: Customer Services, Black & Decker (U.S.) Inc., Easton, Maryland 21601.

NOTE: Always include date code number on all correspondence. This number is stamped in the upper corner of the nameplate label located on the motor housing.

BLACK & DECKER (U.S.) INC.
U.S. POWER TOOLS GROUP
10 North Park Drive, P.O. Box 798 Hunt Vally, Md. 21030-0798, U.S.A.

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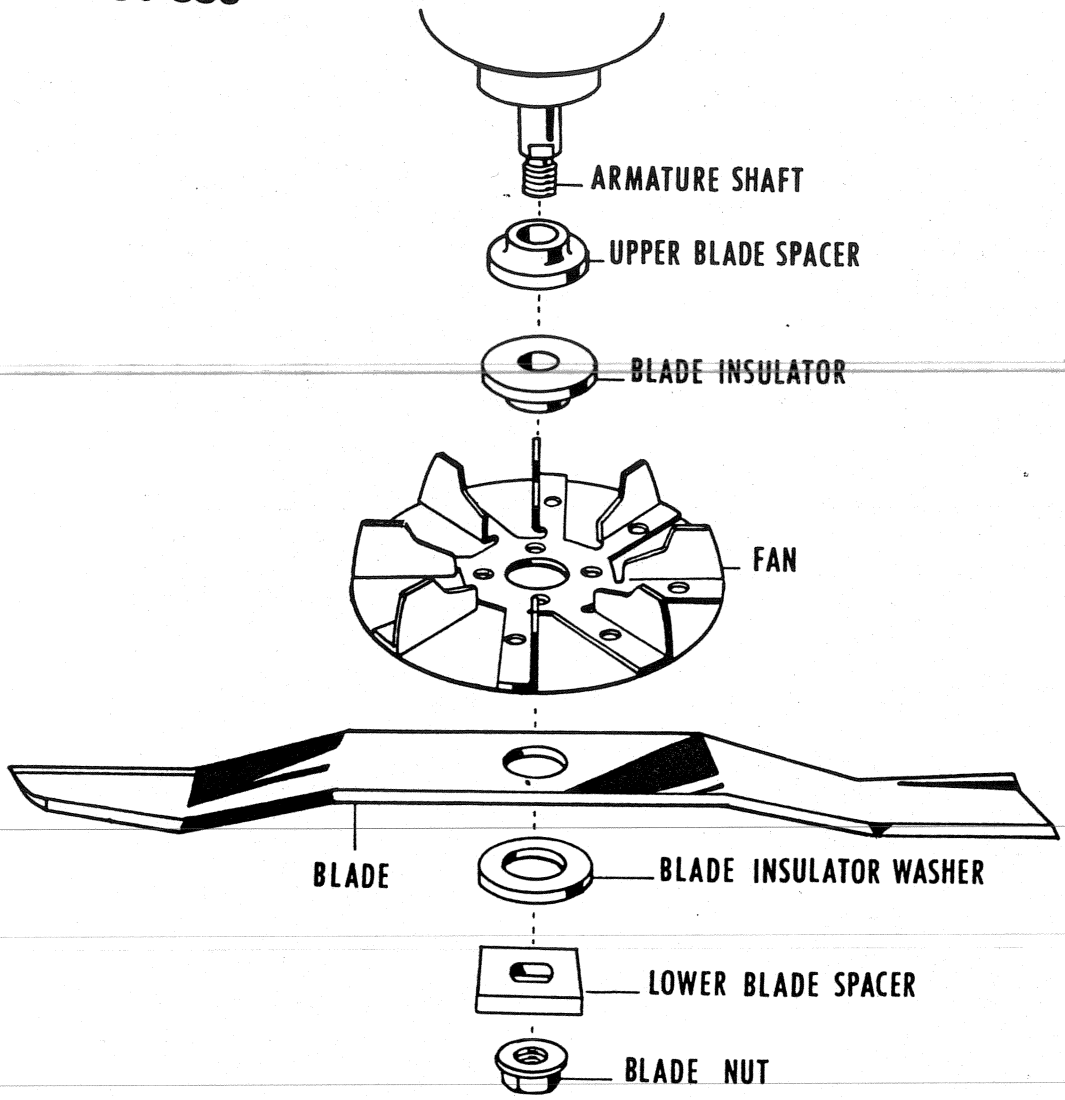
Black & Decker®

ASSEMBLY INSTRUCTIONS

18" BLADE (Replacement) . . . . . 8000, 8010 & 8011 LAWN MOWERS

Cat. No. **80-336**



TO CHANGE BLADE FOLLOW THESE STEPS:

1. **DISCONNECT THE MOWER POWER CORD PLUG FROM THE EXTENSION CORD.**
2. Place the mower on its side.
3. Hold the blade near the tip with a rag or heavy glove for hand protection. Remove the blade nut by turning it counterclockwise with a ¾" wrench or adjustable wrench.
4. When installing the new blade make sure the cutting edges are closest to the ground. Push the upper blade spacer on the armature shaft. Now place the blade insulator through the holes in the fan and blade. Then place all of these on the armature shaft. Put the blade insulator washer and the lower blade spacer on the armature shaft. (NOTE: Flat sides of hole in lower blade spacer must be positioned on the flats of the armature shaft). Place the blade nut on the armature shaft and **be positive it is securely tightened. (25-30 ft. lbs. max).**
5. When installing the new blade be certain all parts shown above are replaced in the same order and aligned positions as illustrated.

THE BLACK & DECKER MFG. CO.—TOWSON, MARYLAND 21204, U.S.A.

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